

**ABSTRACT OF DISCLOSURE**

A method is provided for operating a plurality of overlapping wireless networks such that they do not interfere with each other. This is accomplished by having each network transmit at a frequency that is offset from a base frequency by an integer multiple of an offset frequency. The offset frequency is generally a small fraction of the base frequency so that the spectral properties of each network are roughly the same. However, each network will transmit at a unique frequency with respect to all of the other overlapping networks. The offset values are preferably symmetrical around zero, and the offset for one network can be zero.